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(71) Applicant and
(72) Inventor: **SUPLINKAS, Raymond, J.** [US/US]; 1000 North Broadway, Haverhill, MA 01832 (US).

(74) Agent: **TOUPAL, John, E.**; Law Offices of John E. Toupal, 116 Concord Street, Framingham, MA 01702 (US).

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(54) Title: SUBSTRATE AND METHOD FOR THE FORMATION OF CONTINUOUS MAGNESIUM DIBORIDE AND DOPED MAGNESIUM DIBORIDE WIRES

(57) Abstract: A chemically doped boron coating is applied by chemical vapor deposition to a silicon carbide fiber and the coated fiber then is exposed to magnesium vapor to convert the doped boron to doped magnesium diboride and a resultant superconductor.